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Compiled by C R Raper

**Oil Palm Advisory Bureau
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For each reference the year, issue number and page number are given. Page numbers marked with an asterix denote abstracts.

The following abbreviations are used:

FAO	Food and Agriculture Organisation of the United Nations
IRAT	Institut de Recherches Agronomiques Tropicales
IRHO	Institute de Recherches pour les Huiles et Oléagineux
UNIDO	United Nations Industrial Development Organisation
USDA	United States Department of Agriculture

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- Ber. Kilat Res. Inst., Sum. Plant Assoc.*, 1966, (2), 10*
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- British Patent*, 1975, (19), 35*
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- Chemistry and Industry*, 1972, (13), 22*
- Chemara Research Station, 1971, (11), 42*; 1974, (17), 25*
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- Cocoa Marketing Board Newsletter*, 1968, (6), 17*
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- Commonwealth Producer*, 1974, (18), 33-34*

- Commonwealth Secretariat, 1966, (2), 5–6; 1967, (3), 7–9; 1967, (4), 3–5; 1968, (5), 16–18; 1968, (6), 9–12; 1969, (7), 11–15; 1969, (8), 14–16; 1970, (9), 10–14; 1971, (11), 32–36; 1971, (12), 11–14; 1972, (13), 15–17; 1972, (14), 19–21; 1973, (15), 30–32; 1973, (16), 14–17; 1974, (17), 12–15; 1974, (18), 23–26; 1975, (19), 22–25; 1975, (20), 24–28; 1976, (21), 14–18
- Congopalm, 1972, (13), 25*
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- Daily Telegraph*, 1975, (19), 27*
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- Far Eastern Economic Review*, 1968, (6), 19*
- Faulkner, E, 1975, (20), 38*
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- Figuerola, A, 1967, (3), 19*
- Financial Times*, 1970, (9), 24–25*; 1972, (14), 24*
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- Food Trade Review*, 1966, (1), 12*
- Food World*, 1972, (14), 26*
- Forde, St. C M, 1967, (3), 15*; 1969, (7), 26–27*
- Foreign Agriculture*, 1968, (5), 27*; 1969, (8), 21*, 25*, 26*; 1971, (11), 39*; 1972, (13), 19*; 1977, (22), 36*, 38–39*
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- Indonesia, Research Institute S.P.A., 1974, (17), 19*
- Indonesian Times*, 1977, (22), 26*
- Investor, Bangkok*, 1975, (20), 33*
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- Jacqmain, D, 1973, (16), 30*; 1974, (18), 29; 1977, (22), 37*
- Japan Economic Journal*, 1972, (13), 21*
- Jacobsberg, B, 1970, (9), 7; 1972, (13), 26*; 1973, (16), 30*; 1974, (18), 29; 1976, (21), 2–7, 21*; 1977, (22), 37*

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- Journal Minist. Commer. Ind. Malaysia*, 1973, (16), 22*
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- Nigeria Trade Journal*, 1968, (5), 25–26*; 1972, (13), 22*; 1972, (14), 26
- Nigerian Institute for Oil Palm Research, 1966, (1), 10*, 12*; 1966, (2), 14*; 1967, (3), 12*; 1967, (4), 14*, 15*; 1968, (5), 27*; 1968, (6), 20–21*, 22*; 1969, (8), 24–25*; 1970, (9), 6; 1971, (11), 50*; 1971, (12), 23*; 1972, (13), 21*; 1973, (15), 35*; 1973, (16), 18
- Nigerian Review*, 1967, (4), 15*
- Nigerian Stored Products Research Institute, 1968, (5), 26
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- Noiret, J M, 1966, (2), 12–13*; 1967, (3), 17*; 1968, (5), 23*; 1970, (9), 17*; 1971, (11), 45*; 1977, (22), 1
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- Oil Mill Gazetteer*, 1973, (15), 34*; 1974, (17), 23*; 1975, (19), 29*; 1976, (21), 24*, 25*
- Oil Palm News*, 1973, (15), iii-iv
- Oil World*, 1966, (1), 9*
- Oil World Semi Annual*, 1968, (6), 22–23*
- Ojeda, E, 1975, (20), 31*
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- Overseas Review*, 1968, (5), 26*, 27*; 1968, (6), 14–15*, 16*, 17*, 21*

- Oworen, M A, 1966, (2), 14*
- Pacific Islands Monthly*, 1967, (3), 23*; 1972, (13), 21*; 1977, (22), 26*
- Paint, Oil and Colour Journal*, 1968, (5) 28*
- Palmer, J, 1968, (6), 2-4
- Papua New Guinea, Department of Agriculture, 1969, (7), 21-2*
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- Planter*, 1967, (3), 20*; 1969, (7), 21*; 1971, (12), 20*
- Planters Chronicle*, 1969, (7), 19*
- Plastics and Rubber Weekly*, 1966, (2), 9*
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Bernardini, E : Tecnologia olearia, 1971, (12), 15

Bevan, J W L, Fleming, T, and Gray, B S : Planting
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Bull, R A, and Turner, P J : A hand-book of oil palm
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Centre International, Belgium : La fumure du palmier à
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Corley, R H V, Hardon, J J, Wood, B J : Oil palm
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Hartley, C W S : The oil palm, 1967, (3), 11; 1968,
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Hartley, C W S : The oil palm. 2nd edition, 1977,
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IRHO: Manuel de l'huilerie de palme, 1968, (6), 12

Malaysian Palm Oil Prod. Assn. : Malaysian palm oil,
Tech. Bull. No. 1, 1973, (16), 18

Mg, L K : The oil palm, its culture, manuring and
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Min. Agric. and Co-operatives, Malaysia; The oil palm
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Turner, P D : The quality and marketing of oil palm
products, Proc. of Symp. by Incorp. Soc. Planters,
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Turner, P D : Progress in oil palm, 1969, (7), 16

Turner, P D (ed.) : Proc. of the Second Malaysian Oil
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Turner, P D, Bull, R A : Diseases and disorders of the
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Turner, P D, Gillbanks, R A : Oil palm cultivation and
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Wastie, R L, Earp, D A (eds): Advances in oil palm
cultivation, Proc. Int. Oil Palm Conf., K.L., 1974,
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Williams, C N, Hsu, Y C : Oil palm cultivation in
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Wood, B J : Pests of oil palm in Malaysia and their
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